

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/025,367

CRF Processing Date

1/23/2002

Edited by:

Verified by:

(STIC staff)

Changed a file from non-ASCII to ASCII **ENTERED**

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____.

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____.

Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/025,367

DATE: 01/23/2002
TIME: 18:50:04

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\J025367.raw

7 <110> APPLICANT: Viaxxel Biotech GmbH
9 <120> TITLE OF INVENTION: Compounds that affect CD83 expression, pharmaceutical
10 compositions comprising said compounds and methods for
11 identifying said compounds
13 <130> FILE REFERENCE: 84201
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/025,367
C--> 16 <141> CURRENT FILING DATE: 2001-12-19
18 <160> NUMBER OF SEQ ID NOS: 27
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 618
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (1)..(615)
31 <400> SEQUENCE: 1
32 atg tcg cgc ggc ctc cag ctt ctg ctc ctg agc tgc gcc tac agc ctg 48
33 Met Ser Arg Gly Leu Gln Leu Leu Leu Ser Cys Ala Tyr Ser Leu
34 1 5 10 15
36 gct ccc gcg acg ccg gag gtg aag gtg gct tgc tcc gaa gat gtg gac 96
37 Ala Pro Ala Thr Pro Glu Val Lys Val Ala Cys Ser Glu Asp Val Asp
38 20 25 30
40 ttg ccc tgc acc gcc ccc tgg gat ccg cag gtt ccc tac acg gtc tcc 144
41 Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Val Pro Tyr Thr Val Ser
42 35 40 45
44 tgg gtc aag tta ttg gag ggt ggt gaa gag agg atg gag aca ccc cag 192
45 Trp Val Lys Leu Leu Glu Gly Gly Glu Arg Met Glu Thr Pro Gln
46 50 55 60
48 gaa gac cac ctc agg gga cag cac tat cat cag aag ggg caa aat ggt 240
49 Glu Asp His Leu Arg Gly Gln His Tyr His Gln Lys Gly Gln Asn Gly
50 65 70 75 80
52 tct ttc gac gcc ccc aat gaa agg ccc tat tcc ctg aag atc cga aac 288
53 Ser Phe Asp Ala Pro Asn Glu Arg Pro Tyr Ser Leu Lys Ile Arg Asn
54 85 90 95
56 act acc agc tgc aac tcg ggg aca tac agg tgc act ctg cag gac ccg 336
57 Thr Thr Ser Cys Asn Ser Gly Thr Tyr Arg Cys Thr Leu Gln Asp Pro
58 100 105 110
60 gat ggg cag aga aac cta agt ggc aag gtg atc ttg aga gtg aca gga 384
61 Asp Gly Gln Arg Asn Leu Ser Gly Lys Val Ile Leu Arg Val Thr Gly
62 115 120 125
64 tgc cct gca cag cgt aaa gaa gag act ttt aag aaa tac aga gcg gag 432
65 Cys Pro Ala Gln Arg Lys Glu Thr Phe Lys Lys Tyr Arg Ala Glu

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\J025367.raw

66 130 135 140
68 att gtc ctg ctg ctg gct ctg gtt att ttc tac tta aca ctc atc att 480
69 Ile Val Leu Leu Ala Leu Val Ile Phe Tyr Leu Thr Leu Ile Ile
70 145 150 155 160
72 ttc act tgt aag ttt gca cgg cta cag agt atc ttc cca gat ttt tct 528
73 Phe Thr Cys Lys Phe Ala Arg Leu Gln Ser Ile Phe Pro Asp Phe Ser
74 165 170 175
76 aaa gct ggc atg gaa cga gct ttt ctc cca gtt acc tcc cca aat aag 576
77 Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val Thr Ser Pro Asn Lys
78 180 185 190
80 cat tta ggg cta gtg act cct cac aag aca gaa ctg gta tga 618
81 His Leu Gly Leu Val Thr Pro His Lys Thr Glu Leu Val
82 195 200 205
85 <210> SEQ ID NO: 2
86 <211> LENGTH: 205
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <400> SEQUENCE: 2
91 Met Ser Arg Gly Leu Gln Leu Leu Leu Ser Cys Ala Tyr Ser Leu 15
92 1 5 10 15
94 Ala Pro Ala Thr Pro Glu Val Lys Val Ala Cys Ser Glu Asp Val Asp
95 20 25 30
97 Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Val Pro Tyr Thr Val Ser
98 35 40 45
100 Trp Val Lys Leu Leu Glu Gly Glu Glu Arg Met Glu Thr Pro Gln
101 50 55 60
103 Glu Asp His Leu Arg Gly Gln His Tyr His Gln Lys Gly Gln Asn Gly
104 65 70 75 80
106 Ser Phe Asp Ala Pro Asn Glu Arg Pro Tyr Ser Leu Lys Ile Arg Asn
107 85 90 95
109 Thr Thr Ser Cys Asn Ser Gly Thr Tyr Arg Cys Thr Leu Gln Asp Pro
110 100 105 110
112 Asp Gly Gln Arg Asn Leu Ser Gly Lys Val Ile Leu Arg Val Thr Gly
113 115 120 125
115 Cys Pro Ala Gln Arg Lys Glu Glu Thr Phe Lys Lys Tyr Arg Ala Glu
116 130 135 140
118 Ile Val Leu Leu Ala Leu Val Ile Phe Tyr Leu Thr Leu Ile Ile
119 145 150 155 160
121 Phe Thr Cys Lys Phe Ala Arg Leu Gln Ser Ile Phe Pro Asp Phe Ser
122 165 170 175
124 Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val Thr Ser Pro Asn Lys
125 180 185 190
127 His Leu Gly Leu Val Thr Pro His Lys Thr Glu Leu Val
128 195 200 205
132 <210> SEQ ID NO: 3
133 <211> LENGTH: 2051
134 <212> TYPE: DNA
135 <213> ORGANISM: Mus musculus
137 <220> FEATURE:

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\J025367.raw

138 <221> NAME/KEY: CDS
139 <222> LOCATION: (14)..(601)
141 <400> SEQUENCE: 3
142 ggcgtccagc cgc atg tcg caa ggc ctc cag ctc ctg ttt cta ggc tgc 49
143 Met Ser Gln Gly Leu Gln Leu Leu Phe Leu Gly Cys
144 1 5 10
146 gcc tgc agc ctg gca ccc gcg atg gcg atg cgg gag gtg acg gtg gct 97
147 Ala Cys Ser Leu Ala Pro Ala Met Ala Met Arg Glu Val Thr Val Ala
148 15 20 25
150 tgc tcc gag acc gcc gac ttg cct tgc aca gcg ccc tgg gac ccg cag 145
151 Cys Ser Glu Thr Ala Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln
152 30 35 40
154 ctc tcc tat gca gtg tcc tgg gcc aag gtc tcc gag agt ggc act gag 193
155 Leu Ser Tyr Ala Val Ser Trp Ala Lys Val Ser Glu Ser Gly Thr Glu
156 45 50 55 60
158 agt gtg gag ctc ccg gag agc aag caa aac agc tcc ttc gag gcc ccc 241
159 Ser Val Glu Leu Pro Glu Ser Lys Gln Asn Ser Ser Phe Glu Ala Pro
160 65 70 75
162 agg aga agg gcc tat tcc ctg acg atc caa aac act acc atc tgc agc 289
163 Arg Arg Arg Ala Tyr Ser Leu Thr Ile Gln Asn Thr Thr Ile Cys Ser
164 80 85 90
166 tcg ggc acc tac agg tgt gcc ctg cag gag ctc gga ggg cag cgc aac 337
167 Ser Gly Thr Tyr Arg Cys Ala Leu Gln Glu Leu Gly Gly Gln Arg Asn
168 95 100 105
170 ttg agc ggc acc gtg gtt ctg aag gtg aca gga tgc ccc aag gaa gct 385
171 Leu Ser Gly Thr Val Val Leu Lys Val Thr Gly Cys Pro Lys Glu Ala
172 110 115 120
174 aca gag tca act ttc agg aag tac agg gca gaa gct gtg ttg ctc ttc 433
175 Thr Glu Ser Thr Phe Arg Lys Tyr Arg Ala Glu Ala Val Leu Phe
176 125 130 135 140
179 tct ctg gtt ttc tac ctg aca ctc atc att ttc acc tgc aaa ttt 481
180 Ser Leu Val Val Phe Tyr Leu Thr Leu Ile Ile Phe Thr Cys Lys Phe
181 145 150 155
183 gca cga cta caa agc att ttc cca gat att tct aaa cct ggt acg gaa 529
184 Ala Arg Leu Gln Ser Ile Phe Pro Asp Ile Ser Lys Pro Gly Thr Glu
185 160 165 170
187 caa gct ttt ctt cca gtc acc tcc cca agc aaa cat ttg ggg cca gtg 577
188 Gln Ala Phe Leu Pro Val Thr Ser Pro Ser Lys His Leu Gly Pro Val
189 175 180 185
191 acc ctt cct aag aca gaa acg gta tgtagtaggt ctccactgggt ttttacaaag 631
192 Thr Leu Pro Lys Thr Glu Thr Val
193 190 195
195 ccaagggcac atcagatcatc tgcgtccatc tgccacccgg acaagagaag aatgagctcc 691
197 atcctcagat ggcaaccttt ctttgaagtc cttcacctga cagttggctc cacactactc 751
199 cctgacacag ggttttgagc accatcatat gatcacgaag catggagttt caccgcttct 811
201 ctgtggctgt cagcttaatg tttcatgtgg ctatctggtc aacctcgtga gtgctttca 871
203 gtcatctaca agctatggc agatgcaggt gaagcagggat catggaaat ttgaacactc 931
205 tgagctggcc ctgtgacaga ctcctgagga cagctgtcct ctcctacatc tggatacat 991
207 ctcttgaat ttgtcctgtt tcgttgcacc agcccagatg tctcacatct ggcggaaatt 1051

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\J025367.raw

209 gacaggccaa gctgtgagcc agtggaaat atttagcaaa taatttccca gtgcgaaggt 1111
211 cctgcttata gtaaggagta ttatgtgtac atagaaatga gaggtcagt aactattccc 1171
213 cagcagggcc ttccatctg gaaaagacat ccacaaaagc agcaatacag agggatgcc 1231
215 catttatttt ttaatcttc atgtacttgt caaagaagaa ttttcatgt ttttcaaag 1291
217 aagtgtgtt ctttccttt taaaatatg aaggtctagt tacatagcat tgctagctga 1351
219 caagcagcct gagagaagat ggagaatgtt cctcaaaata gggacagcaa gctagaagca 1411
221 ctgtacagtg ccctgctgg aagggcagac aatggactga gaaaccagaa gtctggccac 1471
223 aagattgtct gtatgattct ggacgagtca cttgtggtt tcaactctgt gttagtaaac 1531
225 cagatagttt agtctgggtt gaatacaatg gatgtgaagt tgctgggaa aagctgaatg 1591
227 tagtgaatac attggcaact ctactgggtt gttaccttgt tgatatccctg gagttctgga 1651
229 gctgagcga tgcctgtcat atctcagttt gcccattcaat ccaaacacag gaggctacaa 1711
231 aaaggacatg agcatggct tctgtgtaa ctccctcctga gaaacgtgga gactggctca 1771
233 ggcgtttgcg cttgaaggac taatcacaag ttcttgaaga tatggaccta ggggagctat 1831
235 tgcgccacga caggaggaag ttctcagatg ttgcattgtt gtaacattgt tgcatatttt 1891
237 taatgagctg ggctccctcc tcatttgctt cccaaagaga ttttgcctca ctaatgggt 1951
239 gcccatcacc cacactatga aagtaaaagg gatgtgagc agatacagcg tgcttaccc 2011
241 tcagccatga ctgcattgtt attaaaagaa tgcattgtgaa 2051
244 <210> SEQ ID NO: 4
245 <211> LENGTH: 196
246 <212> TYPE: PRT
247 <213> ORGANISM: Mus musculus
249 <400> SEQUENCE: 4
250 Met Ser Gln Gly Leu Gln Leu Leu Phe Leu Gly Cys Ala Cys Ser Leu
251 1 5 10 15
253 Ala Pro Ala Met Ala Met Arg Glu Val Thr Val Ala Cys Ser Glu Thr
254 20 25 30
256 Ala Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Leu Ser Tyr Ala
257 35 40 45
259 Val Ser Trp Ala Lys Val Ser Glu Ser Gly Thr Glu Ser Val Glu Leu
260 50 55 60
262 Pro Glu Ser Lys Gln Asn Ser Ser Phe Glu Ala Pro Arg Arg Arg Ala
263 65 70 75 80
265 Tyr Ser Leu Thr Ile Gln Asn Thr Thr Ile Cys Ser Ser Gly Thr Tyr
266 85 90 95
268 Arg Cys Ala Leu Gln Glu Leu Gly Gly Gln Arg Asn Leu Ser Gly Thr
269 100 105 110
271 Val Val Leu Lys Val Thr Gly Cys Pro Lys Glu Ala Thr Glu Ser Thr
272 115 120 125
274 Phe Arg Lys Tyr Arg Ala Glu Ala Val Leu Leu Phe Ser Leu Val Val
275 130 135 140
277 Phe Tyr Leu Thr Leu Ile Ile Phe Thr Cys Lys Phe Ala Arg Leu Gln
278 145 150 155 160
280 Ser Ile Phe Pro Asp Ile Ser Lys Pro Gly Thr Glu Gln Ala Phe Leu
281 165 170 175
283 Pro Val Thr Ser Pro Ser Lys His Leu Gly Pro Val Thr Leu Pro Lys
284 180 185 190
286 Thr Glu Thr Val
287 195
291 <210> SEQ ID NO: 5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/025,367

DATE: 01/23/2002
TIME: 18:50:04

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\J025367.raw

292 <211> LENGTH: 981
293 <212> TYPE: DNA
294 <213> ORGANISM: Homo sapiens
296 <220> FEATURE:
297 <221> NAME/KEY: CDS
298 <222> LOCATION: (1)..(978)
300 <400> SEQUENCE: 5
301 atg tct aat ggt tat gaa gac cac atg gcc gaa gac tgc agg ggt gac 48
302 Met Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp
303 1 5 10 15
305 atc ggg aga acg aat ttg atc gtc aac tac ctc cct cag aac atg acc 96
306 Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
307 20 25 30
309 cag gat gag tta cga agc ctg ttc agc agc att ggt gaa gtt gaa tct 144
310 Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
311 35 40 45
313 gca aaa ctt att cgg gat aaa gta gca gga cac agc ttg ggc tac ggc 192
314 Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
315 50 55 60
317 ttt gtg aac tac gtg acc gcg aag gat gca gag aga gcg atc aac acg 240
318 Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
319 65 70 75 80
321 ctg aac ggc ttg agg ctc cag tca aaa acc att aag gtg tcg tat gct 288
322 Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
323 85 90 95
325 cgc ccg agc tca gag gtg atc aaa gac gcc aac ttg tac atc agc ggg 336
326 Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
327 100 105 110
329 ctc ccg cgg acc atg acc cag aag gac gta gaa gac atg ttc tct cgg 384
330 Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
331 115 120 125
333 ttt ggg cgg atc atc aac tcg cgg gtc ctc gtg gat cag act aca ggt 432
334 Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
335 130 135 140
337 ttg tcc aga ggg gtt gcg ttt atc cgg ttt gac aaa cgg tcg gag gca 480
338 Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
339 145 150 155 160
341 gaa gag gca att acc agt ttc aat ggt cat aaa ccc cca ggt tcc tct 528
342 Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
343 165 170 175
345 gag ccc atc gca gtg aag ttt gca gcc aac ccc aac cag aac aaa aac 576
346 Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn
347 180 185 190
349 gtg gca ctc ctc cgg cag ctg tac cac tcg cca gcg cga cgg ttc gga 624
350 Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly
351 195 200 205
353 ggc ccc gtt cac cac cag gcg cag aga ttc agg ttc tcc ccc atg ggc 672
354 Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly
355 210 215 220

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/025,367

DATE: 01/23/2002

TIME: 18:50:05

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01232002\J025367.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date